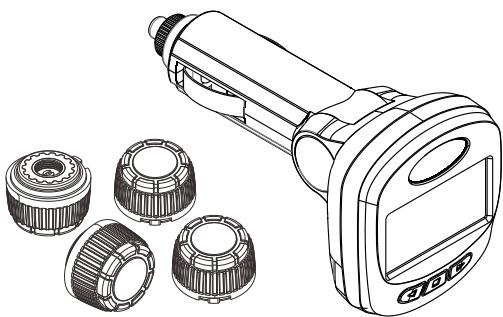


TPMS

Tire Pressure Monitoring System

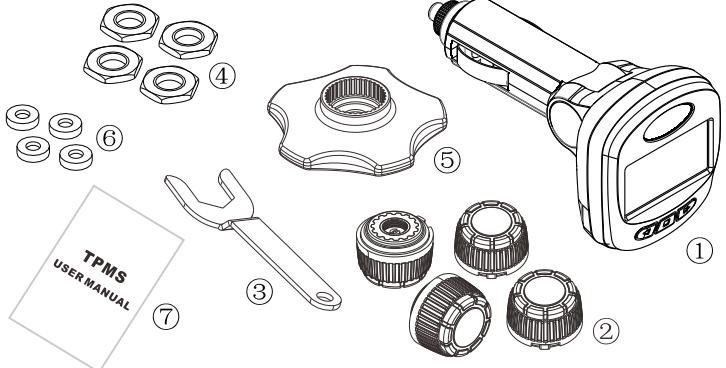
USER MANUAL



1. About the product

1. The TPMS (tire pressure monitoring system) is a wireless RF sensing device designed to measure and display the tire pressure and temperature.
2. The TPMS function can help you to avoid tire accidents due to tire failure, to reduce fuel consumption and to extend the tire life.
3. Once installed in your vehicle, the TPMS will warn you of an abnormal tire situation immediately with an audible and visual alert.
4. Display is with solar energy power supply, It is also with rechargeable battery and USB cigarette lighter charger, which make sure normal use in cloudy or rainy days.
5. External valve-cap sensor for DIY installation, battery can change.

2. Packing list



① Display ② Sensor X4 ③ Nut wrench ④ Anti-theft nut X4
⑤ Sensor opening spanner(for exchange battery) ⑥ Silicon Ring x 4 (Spare) ⑦ Manual

3. Technical specification

Project/Product components	Sensor	Display
Working frequency	FSK 433.92 MHZ±30KHZ	FSK 433.92 MHZ±30KHZ
Working voltage	2.2-3.0V	12V±3V
Working current	≤1.5mA	60mA±30%
Working temperature	-40 ~ +185 °F	-4 ~ +158 °F
Monitoring scope	Pressure : 0-50 psi	Pressure : 0-50 psi
Pressure reading	±1 psi	±1 psi

①

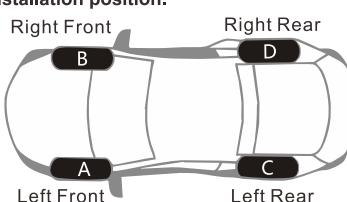
4. The product installation

Before installation, please plug-in cigarette plug display, start car engine. Then, install sensors as per their correct position. Display will show tire pressure and temperature.

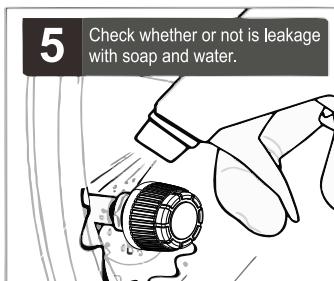
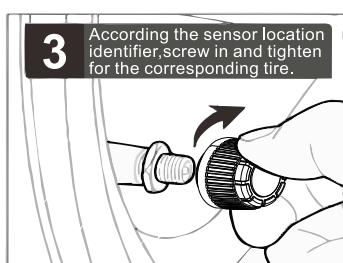
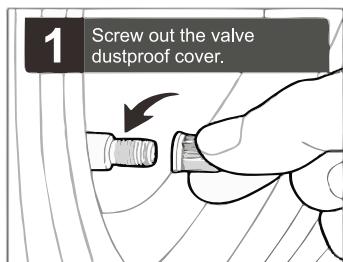
If you install sensors before display power on, display will show "00" or "---", this is normal, please follow step 4 to test.

1. Please plug-in cigarette plug display, start car engine.

2. External sensor installation position.

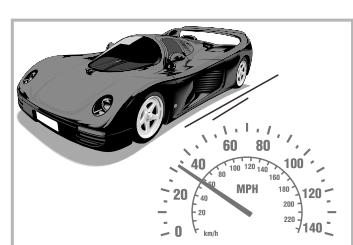


3. External sensor installation process.

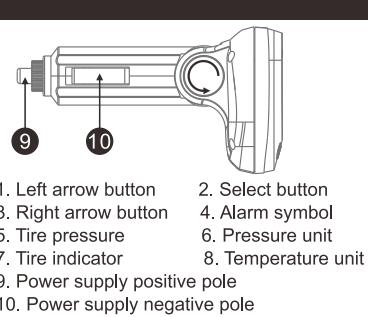
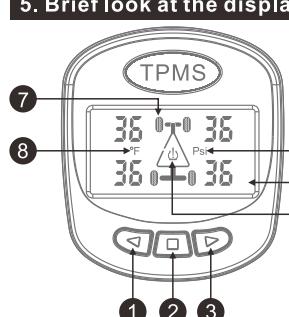


Important Notice – Please read:
Four sensors have programmed to system during production. This system is ready to use with default high pressure setting 43 psi, low pressure setting 26 psi, high temperature setting 154°F, they are good for normal cars. Users do not need to carry out any programming procedures or setting. We use its best endeavours to ensure brochure information is correct when published. When ordering accessories, you must check with your dealer to ensure the accessory design, features and colors will fit your vehicle. Accessory colors displayed here are a guide only and may vary from actual colors due to printing/display process. We reserve the right to change, without notice, at any time, prices, colors, materials, equipment, specifications and discontinue colors/models. To the extent allowed by law, we will not be liable for any damage, loss or expense incurred as a result of reliance on this brochure.

4. The driving test



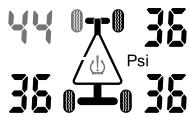
5. Brief look at the display



③

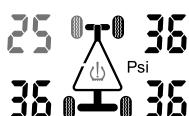
②

6. The function and alarm description



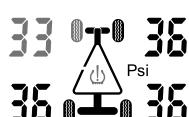
1. High pressure warning

When tire pressure exceeds default high value, e.g. 44 Psi, corresponding tire symbol will flash on the display with continual Bi-Bi-Bi warning.



2. Low pressure warning

When tire pressure bellow default low value, e.g. 25 Psi, corresponding tire symbol will flash on the display with continual Bi-Bi-Bi warning.



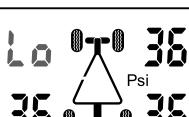
3. Tire fast leakage warning

When tire pressure drops suddenly, corresponding tire symbol will flash on the display with fast continual Bi-Bi-Bi warning. If Bi-Bi-Bi warning still after 10 seconds, it indicates non-stop tire fast leakage.



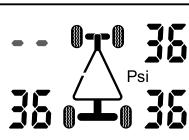
4. High temperature warning

When tire temperature exceeds default high temperature, e.g. 154 F, corresponding tire symbol will flash on the display with continual Bi-Bi-Bi warning.



5. Low battery warning

When sensor battery is low, corresponding tire symbol will show "Lo" on the display. Please change battery in time.



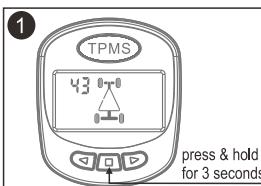
6. No signal sensor

If the signal from a battery runs out or damaged sensor is not received by the display for 30 minutes, corresponding tire symbol will show "---" on the display.

Note: Press any button to cancel Bi-Bi-Bi warning, but warning symbol will still flash.

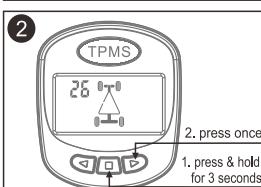
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8. TPMS System set up



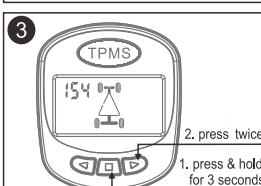
1. High Pressure Value Setting

- In standby mode, press and hold for 3 seconds to enter system set up mode,
- Display shows "43 psi" factory default high pressure setting,
- Press **◀** button to enter set up,
- Press **▶** to adjust the values, then press to save setting,
- Buzzer "bi" once to indicate successful setting.



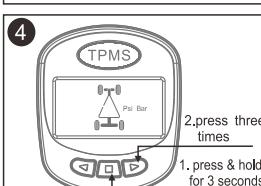
2. Low Pressure Value Setting

- In standby mode, press and hold for 3 seconds to enter system set up mode, Press **▶** button, display shows "26 psi" factory default low pressure setting,
- Press **◀** button to enter set up,
- Press **▶** to adjust the values,
- Then press **◀** to save setting,
- Buzzer "bi" once to indicate successful setting.



3. High Temperature Setting

- In standby mode, press and hold for 3 seconds to enter system set up mode, press **▶** button for 2 times, display shows "154" factory default high temperature setting,
- Press **◀** button to enter set up, press **▶** to adjust the values,
- Then press **◀** to save setting,
- Buzzer "bi" once to indicate successful setting.



4. Psi/Bar Pressure Unit Setting

- In standby mode, press and hold for 3 seconds to enter system set up mode, press **▶** button for 3 times, display shows psi/bar at the same, default unit is twinkling,
- Press **◀** button to select the other unit,
- Buzzer "bi" once to indicate successful setting.

5. Temperature Unit Setting

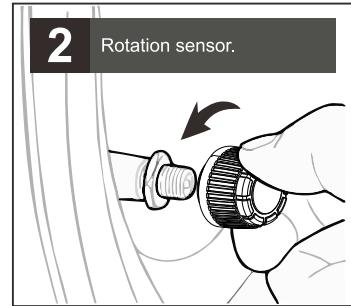
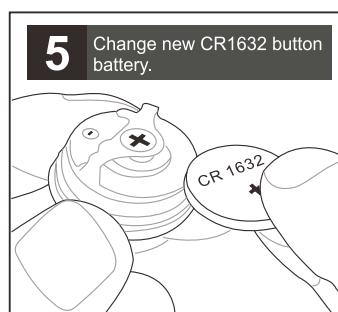
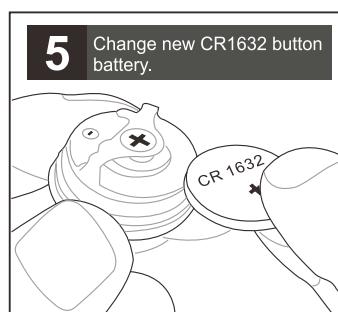
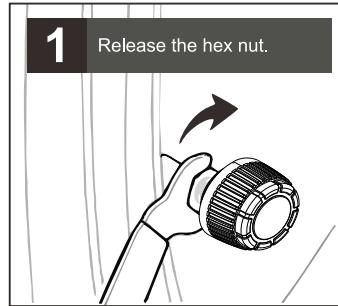
In standby mode, press **▶** button and hold for 3 seconds to enter system set up mode, choose for Celsius or Fahrenheit.

6. In standby mode, press **◀** button and hold for 3 seconds to restore default factory settings.

7. Under working mode, display will show pressure in every 53 seconds, then shows temperature for 7 seconds.

8. Under working mode, press **▶** button to see pressure or temperature.

7. Battery replacement chart



⑤

9. Important notice

- TPMS is designed to monitor the tire irregularities for driver. Abnormal tire pressure should be corrected ASAP.
- TPMS is a wireless RF product. Therefore, it may not receive signals due to the poor environment, RF interference, low sensor battery or a damaged sensor.
- This unit is for vehicles with 12V DC only.
- We reserve the right to change, without notice, at any time, prices, colors, materials, equipment, specifications and discontinue colors/models. To the extend by law, we will not liable for any damage, los or expense incurred as a result of reliance on this brochure.

10. Trouble shooting

Q : Is the sensor easily be stolen? Will it happen to be fling out while driving?
A : This product use fastening tamper sensor structure, need special tools to remove.

Q : Is tire pressure detection of numerical accurate? Stable?
A : This product uses Germany's Infineon IC, precision error of 1 psi, with more than thirty million vehicles worldwide are using.

Q : Do I need to do dynamic balance after external sensors be installed?
A : External sensors weighs only 10 grams, and on the wheel hub bore, this can be ignored.

Q : After installation of sensors, why doesn't display indicates Pressure, or show "00"?
A : When installing sensors, please keep monitor on, installed sensors will send signal to display after detected tire pressure.

Q : Is it possible to adjust the pressure / temperature alarm value?
A : Yes, you can adjust it according to the actual circumstances of your vehicle, please check the manual "Button". Display is defaulted with good tire pressure and temperature value during production and so there is not necessary to reset it to avoid false alarms.

Q : Why does the tires frequently numerical change during the morning drive? What is the reason?
A : When the car started after a period of time (e.g., morning drive to go out), tire pressure can be reduced, this is normal phenomenon, because the display or when parking pressure; Updated with the latest pressure after vehicle, so the pressure is low; When going after a period of time, tire temperature increases, the pressure also increase 1~5 along the psi, which belongs to the normal phenomenon.

Q : Why does the sensor interface leak? What is the reason?
A : Please check valve, usually the valve mouth edge was damaged. Please go to repair shop to change new valve.

Q : What shall I do if sensors are lost or damaged?
A : You are suggested to buy sensor directly from us. Replace it according to the manual to do the sensor matching.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

⑥

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